**Index of Claims** 



Application/Control No.

09/960,495

Examiner

David S. Blum

Applicant(s)/Patent under Reexamination

AMISHIRO ET AL.

Art Unit

2813

| <b>√</b> | Rejected |
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| =        | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Claim  | Claim |            | Dota    |          |   |   |     |              |              | Claim |        |          |          |        |  |         |                    | <u></u> |                    |  | Data  |         |          |  |         |  |   |         |           |                   |          |
|--|-------|------------|---------|----------|---|---|-----|--------------|--------------|-------|--------|----------|----------|--------|--|---------|--------------------|---------|--------------------|--|-------|---------|----------|--|---------|--|---|---------|-----------|-------------------|----------|
| 1  | Li    | Claim Date |         |          |   |   | Cia | Claim Date   |              |       |        |          |          |        | '  |         | Date               |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 10   | Final | Original   | 4/12/05 | 11/29/05 |   |   |     |              |              |       |        | Final    | Original |        |  |         |                    |         |                    |  | Final |         | Original |  |         |  |   |         |           |                   |          |
| 10   | 1     | 1          | ✓       | =        |   |   |     |              |              |       |        |          | 51       |        |  |         | -                  |         |                    | $\neg \vdash \neg$   |       |         | 101      |  | $\top$  | $\top$   | 1 |         | $\sqcap$  |                   | П        |
| 3   3   4   4   4   0   2   4   4   4   0   2   4   4   4   0   2   4   4   4   5   5   5   7   7   7   0   2   55   56   6   6   0   6   6   6   6   6   7   7   7   0   2   55   58   7   100   10 | 2     | 2          |         | =        |   |   |     |              | П            |       |        |          |          |        |  |         | 1                  |         |                    |  |       | ╗       |          |  |         |  | 1 |         | П         |                   | Г        |
| 4   4   0   2   5   5   5   7   2   5   5   5   5   5   5   5   5   5  |       |            |         | =        |   |   |     |              |              |       | $\neg$ |          |          |        | $\neg$   |         |                    |         |                    |  |       | ╗       | 103      | $\top$   |         |  | T |         | П         |                   |          |
| 6 6 0 s     6 7 7 0 s     6 8 0 s     6 9 0 s     6 9 0 s     6 9 0 s     6 9 0 s     6 9 0 s     6 9 0 s     6 9 0 s     100 s     111 s  | 4     | 4          |         | =        |   |   |     |              |              |       |        |          | 54       | П      |  |         |                    | T       |                    | $\Box$   |       | ٦       | 104      | $\top$   |         |  | T |         | П         | Γ                 |          |
| To   To   Color   To   To   Color   To   To   Color   To   To   To   To   To   To   To  | 5     | 5          | ✓       | =        | П |   |     |              |              |       | $\neg$ |          | 55       |        |  |         |                    |         |                    | $\Box$   |       | ٦       | 105      |  | $\top$  |  |   |         | П         | П                 | Г        |
| 8  | 6     | 6          | 0       | =        | П |   |     |              |              |       | $\neg$ |          |          | П      |  |         |                    |         |                    | $\sqcap$   |       | T       |          |  | Т       |  | Τ |         | П         | $\Box$            |          |
| 9  | 7     | 7          | 0       | =        |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  | Τ |         |           | Π                 |          |
| 10   0   0   0   0   0   0   0   0   0   | 8     | 8          | 0       | =        |   |   |     |              |              |       |        |          |          |        |  | П       |                    |         |                    |  |       |         |          |  |         |  |   |         | П         | Г                 | Г        |
| 11   | 9     | 9          | 0       | =        | П |   |     |              | П            |       |        |          | 59       | П      |  | $\top$  |                    |         |                    |  |       | ╗       | 109      |  | ┰       |  | Τ |         | П         | Π                 | Г        |
| 12   12   2   3   62   113   113   114   14   14   15   15   15   15   1   | 10    | 10         | 0       | =        | П |   |     |              |              |       | $\neg$ |          | 60       |        |  |         |                    |         |                    |  |       | П       | 110      |  | $\Box$  |  | Т |         |           |                   | Г        |
| 13   13   14   14   14   15   15   15   15   15  |       |            | √       | =        |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       | ٦       |          |  |         |  | Τ |         |           | Π                 |          |
| 14   14   -   -       64       114       115       116       117       116       117       116       117       116       117       117       118       118       117       118       119       118       119   | 12    |            | -       | =        |   |   |     |              |              |       | 7      |          | 62       |        |  | 7       |                    |         |                    |  |       |         | 112      |  | Т       | Т  | Π |         |           | Г                 | П        |
| 15   15   -  | 13    | 13         | -       | =        |   |   |     |              | П            |       |        |          |          |        |  | $\top$  |                    |         |                    |  |       |         |          |  | T       |  | Τ |         | П         | П                 | Г        |
| 16     16     -     =     116     117     117     -     =     117     117     -     =     117     117     -     =     117     117     117     118     18     -     =     68     98     99     118     118     118     119     119     120     122     122     122     122     122     122     122     123     123     123     123     123     123     123     123     123     123     123     124     126     127     127     127     127     127     127     127     127  | 14    | 14         |         | =        |   |   |     |              |              |       |        |          | 64       |        |  | I       |                    |         |                    |  |       |         | 114      |  |         | $oldsymbol{ol}}}}}}}}}}}}}}$ | Ι |         |           |                   |          |
| 17   | 15    | 15         | -       | =        |   |   |     |              |              |       |        |          | 65       |        |  | T       |                    |         |                    |  |       |         | 115      |  |         |  |   |         |           | Г                 | Г        |
| 18   18 - =   68   118   119   118   119   120   120   120   120   120   120   120   120   120   120   120   120   121   121   121   122   122   122   122   122   122   122   122   122   122   122   123   123   124   124   124   125   125   125   125   125   125   125   125   125   125   126   127   127   128   129   129   129   129   129   129   130   130   131   131   131   131   133   |       |            | -       | =        |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  | Т |         |           |                   |          |
| 19   |       |            | -       | =        |   |   |     |              |              |       |        |          |          |        |  | T-      |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| The color of the |       |            | -       | =        |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         | T  | Γ |         |           |                   |          |
| 21   21   0 =   71   72   121   122   123   123   123   123   123   123   124   124   124   124   125   125   125   125   126   126   127   127   127   127   127   127   127   128   129   129   130   130   130   130   131   131   131   131   131   131   131   132   132   133<   |       | 19         | -       | =        |   |   |     |              |              |       |        |          | 69       |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 22     22     √ =     122     123     123     124     124     124     124     124     124     125     125     125     125     125     126     127     126     127     127     127     128     128     128     128     128     128     128     129     129     129     129     130     130     130     130     130     130     131     131     131     131     131     131     132     132     133     133     133     133     133     133     133     133     133     134     134     134     134     134     134     134     134     134     134     134     134     134     134     134     134     134     135     135     135     135     136     136     136     136     137     137     137     137     137     138     138     139     139     144     144     144     144     144     144  |       |            | ,       | ==       |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 23   24   74   123   124   124   125   125   125   126   126   126   126   126   126   127   127   127   127   127   128   129   129   129   129   129   130   130   130   131   131   131   131   131   131   131   131   131   131   132   133   133   133   133   133   134   134   134   134   134   134   134   134   135   135   135   136   136   136   136   136   136   137   138   138   138   138   138   138   138   138   138   139   140   140   141   141   141   142   142   142   142   142   143   144   144   144   144   145   146   147   148   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149<  |       |            | 0       | Ξ        |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         | 121      |  |         | Т  | Т |         |           | П                 | Г        |
| 24     74     124     125     125     125     126     125     126     126     126     126     126     126     126     127     127     127     127     128     128     128     128     129     129     129     130     130     130     130     130     131     131     131     131     131     132     132     133     133     133     133     133     133     134     134     134     134     134     134     134     134     134     134     135     135     135     136     137     137     138     137     138     139     139     139     139     139     139     139     139     139     139     139     139     139     139     139     139     139     139     139     140     141     142     143     144     144     144     144     144     144     144     144     145     145     146  | 22    | 22         | ✓       | =        |   |   |     |              |              |       |        |          | 72       |        |  |         |                    |         |                    |  |       |         | 122      |  |         |  |   |         |           |                   | Γ        |
| 25     75     125     126     126     126     126     127     128     127     127     128     128     128     128     129     129     129     129     130     130     130     131     131     131     131     131     132     132     132     133     133     133     133     133     133     133     133     133     134     134     134     134     134     134     135     135     135     136     137     136     137     137     138     138     138     138     138     138     138     139     140     140     140     141     141     142     142     142     142     143     144     144     144     145     145     146     147     147     148     148     149     149     149     149     149     149     149     149     149     149     149     149     149     149     149     149  |       | 23         |         |          |   |   |     |              |              |       |        |          | 73       |        |  | Т       |                    |         |                    |  |       |         | 123      |  |         | Т  | Т |         | П         | Г                 | Г        |
| 26     76     126     127     127     127     127     128     127     128     128     129     129     129     129     130     130     130     130     131     131     131     131     131     132     132     132     133     133     133     133     133     133     133     133     133     133     134     134     134     134     134     135     135     135     136     136     136     137     137     138     138     138     138     138     138     138     139     140     140     140     141     141     141     142     142     142     142     143     143     143     144     144     144     144     145     145     146     146     147     147     148     148     148     149     149     149     149     149     149     149     149     149     149     149     149     149  |       | 24         |         |          |   |   |     | Г            | П            |       |        |          |          |        |  | T       | П                  |         |                    |  |       |         | 124      |  |         |  | T |         | П         | Г                 |          |
| 27     28     77     128     128     128     128     128     129     129     130     130     130     130     130     130     131     131     131     131     132     132     132     132     133     133     133     133     133     133     133     133     133     134     134     134     135     135     135     135     135     136     136     136     136     136     137     137     137     137     138     138     138     139     140     141     141     141     141     141     141     141     141     141     142     142     142     143     144     144     144     144     144     144     144     144     144     144     144     145     145     145     145     146     147     147     147     147     147     147     147     147     148     149     149     149     149   |       | 25         |         |          |   |   |     |              |              |       |        |          | 75       |        |  | T       | Π                  |         |                    |  |       |         | 125      |  |         | Т  | Т |         |           | П                 | Г        |
| 28   78   128     29   30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   86   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   149   149  |       |            |         |          |   |   |     |              |              |       |        |          | 76       |        |  |         |                    |         |                    |  |       |         | 126      |  |         | 1  | Т |         |           |                   | Г        |
| 29 79   30 80   31 81   32 83   33 83   34 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 93   44 94   45 96   46 97   48 98   49 99   145 146   47 97   48 98   99 149   |       | 27         |         |          |   |   |     |              |              |       |        |          | 77       |        |  |         |                    |         |                    |  |       | T       | 127      |  |         | Т  |   |         |           |                   |          |
| 30   |       |            |         |          |   |   |     |              |              |       |        |          | 78       |        |  |         |                    |         | $\neg \Gamma$      | $\sqcap$   |       | T       | 128      |  | Т       | Т  | Π |         |           |                   |          |
| 31 81   32 33   33 84   35 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 96   46 96   48 98   49 99   141 144   45 96   46 96   48 98   49 99  |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         | T  |   |         |           |                   |          |
| 32 82   33 132   34 134   35 86   37 136   38 88   39 88   40 90   41 91   42 92   43 93   44 94   45 96   47 98   48 99   148 149   |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 33 83   34 84   35 85   36 86   37 87   38 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 98   48 99   133   134   135   136   137   138   139   138   139   140   141   142   143   144   145   146   147   148   149  |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 98   48 99   49 149   |       |            |         |          |   |   |     |              |              |       |        | 1        |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   149  |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  |         |                    |         |                    |  |       |         |          |  |         |  |   |         |           |                   |          |
| 36   37   86   136   137   137   138   138   138   138   138   139   139   139   139   140   140   140   140   140   141   141   141   141   141   142   142   142   143   144   144   144   144   144   144   145   146   147   147   148   148   148   149<  |       |            |         |          |   |   |     |              | Ш            |       |        | <u> </u> |          |        |  |         |                    |         |                    | $\perp$  |       | $\Box$  |          |  |         | 丄  | ┸ |         |           | _                 |          |
| 37   88     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   99     49   99  |       |            |         |          |   |   |     |              | Ш            |       |        | L        |          |        |  |         |                    |         |                    | $\bot$   |       |         |          |  | $\perp$ |  | L | Ш.      |           | <u>_</u>          | L        |
| 38   88   138     39   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  | $\perp$ |                    |         |                    | Ш  |       |         |          |  |         | $\perp$  |   |         |           | L                 |          |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       |            | L       |          |   |   |     |              |              | _     |        |          |          |        |  | ┸       |                    |         | _L                 |  |       |         |          |  | ┸       | $\perp$  |   |         |           | Ĺ                 |          |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       |            | $\Box$  | $\Box$   |   |   |     |              | Ш            | ]     |        |          |          | Ш      |  |         | $oxedsymbol{oxed}$ |         |                    | ot   | L     | ⅃       |          |  |         |  | L |         | Ш         | <u> </u>          |          |
| 41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |       |            | Щ       |          |   |   |     | L            |              |       |        |          |          |        |  |         |                    |         |                    | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$ |       | $\Box$  |          |  |         |  | L |         | Ш         | <u> </u>          | <u> </u> |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99  |       |            |         |          |   |   |     |              | Ш            |       |        |          |          | Ш      | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |         |                    | $\Box$  | $\perp$            |  |       | $\prod$ |          | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |         | $\bot$   |   | $\perp$ | Ш         | $\overline{\Box}$ | oxdot    |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99  |       |            | Ш       |          |   |   |     | $oxed{oxed}$ | Ш            |       |        |          |          | Ш      |  |         | <u> </u>           | [       |                    | $oldsymbol{ol}}}}}}}}}}}}}}}$  |       | $\perp$ |          |  |         | $\perp$  | L | $\perp$ | $\sqcup$  | _                 |          |
| 44 94   45 95   46 96   47 97   48 98   49 99  |       |            |         |          |   |   |     |              | Ш            |       |        |          |          | $\Box$ |  |         |                    |         | T                  |  |       | $\Box$  |          |  |         | Ĺ  | L |         |           |                   | 匚        |
| 45 95   46 96   47 97   48 98   49 99  |       |            | Ш       | Ш        | _ | _ |     |              |              |       |        |          |          | Ш      |  | _       |                    | [       |                    | $\perp \perp \mid$   |       | $\perp$ | 143      |  |         | 1  |   |         | Ш         | _                 | L        |
| 46   |       |            |         |          |   |   |     |              | Ш            | ]     |        |          |          | Ш      |  |         |                    | [       | $\perp$            | $\perp \perp$  |       |         |          |  |         | L  | L |         | Ш         | _                 |          |
| 47   |       | 45         | Ш       |          | [ | [ |     |              |              | _]    |        | L        | 95       | Ш      |  | 上       |                    |         |                    | $\perp \perp$  |       |         | 145      |  | $\perp$ |  | Ĺ |         | Ш         | <u> </u>          |          |
| 48   |       |            |         |          |   |   |     |              |              |       |        |          |          |        |  |         |                    | $\Box$  |                    |  |       |         |          |  | Ĺ       | L  | Ĺ | L       |           |                   |          |
| 49 99 149 149  |       |            | $\Box$  |          |   |   | ]   |              |              |       |        |          |          |        |  |         | $\Box$             | $\Box$  |                    |  |       |         |          | $_{\perp}\Gamma$   |         | Ĺ  | L |         |           | _                 | $\Box$   |
|  |       |            |         |          |   |   | ]   |              |              |       |        |          |          |        |  | L       |                    | $\Box$  |                    |  |       |         | 148      | $\Box$   |         | L  | L |         |           | آـــا             | L        |
| 50   |       |            | L]      |          | [ |   |     |              | Ш            |       |        |          |          |        |  |         |                    |         |                    | $oldsymbol{\perp}oldsymbol{\perp}$   |       |         |          |  |         |  |   |         | $\square$ |                   |          |
|  |       | 50         | آليا    |          |   |   | I   |              | $oxed{oxed}$ |       |        |          | 100      |        |  |         | $ldsymbol{f eta}$  |         | $\bot \!\!\! \bot$ |  |       | $\perp$ | 150      | $_{\perp}$   |         |  | Ĺ |         |           |                   |          |